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IN THE CLAIMS:

Listing of Claims:

- 1 **Claim 1.** (currently amended) An emitter locator system, comprising:
 - 2 a mobile DF set, said set comprising a receiver for receiving incident signal
 - 3 transmissions;
 - 4 a second DF set in communication with said mobile DF set, said second set
 - 5 comprising a receiver for receiving incidental signal transmissions;
 - 6 a line of bearing (LOB) generating system in operative communication with said
 - 7 receivers and configured to generate lines of bearing from each said DF set responsive to
 - 8 said received signal transmissions;
 - 9 an LOB error generating system in operative communication with said line of
 - 10 bearing generating system and configured to generate error bounds related to said lines of
 - 11 bearing, said line of bearing generating system and said LOB error generating system
 - 12 executed by a computing device, said computing device operatively generating a cross-
 - 13 over point, said cross-over point defined as the intersection of a pair of sequential real-
 - 14 time lines of bearing from each said mobile DF set, each said line of bearing
 - 15 corresponding to a wireless transmission from said transmitter received by said mobile
 - 16 DF set and said computing device then estimates a future position of said transmitter in
 - 17 reference to said cross-over point;
 - 18 a probability overlay generating system in operative communication with said
 - 19 LOB error generating system and configured to generate an overlay probability map
 - 20 responsive to said error bounds; and
 - 21 display means for visually displaying said lines of bearing, said error bounds and
 - 22 said overlay map.
- 1 **Claim 2.** (previously amended) The system of Claim 1, wherein: